

To: Stephanie Vaughn/R2/USEPA/US@EPA[]
From: "Robert Law"
Sent: Tue 10/23/2012 5:41:17 PM
Subject: Fwd: FW: FW: Fw: Passaic tox test questions
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Sorry

From: Lisa Saban
Sent: Tuesday, October 16, 2012 2:03 PM
To: Robert Law (rlaw@demaximis.com)
Cc: Mike Johns; Thai Do; Karen Tobiason; Nancy Musgrove; Willard Potter (otto@demaximis.com); Shannon Katka
Subject: FW: FW: Fw: Passaic tox test questions

Rob - EPA sent us some questions so they can get their toxicity lab up and running to do splits. I spoke to Ken Simon at our toxicity lab (EnviroSystems) and his response is below. In a nutshell, yes they can use the same organisms (they should). They did this last time and they can get them directly from Aquatic Research Organisms. Ken can also help them arrange this if needed. As for the overlying water, see Ken's response below and they can contact him directly. Regards, Lisa

Lisa Saban

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From: Kenneth Simon [mailto:ksimon@envirosystems.com]
Sent: Tuesday, October 16, 2012 1:28 PM
To: Lisa Saban
Cc: Renee McIsaac
Subject: Re: FW: Fw: Passaic tox test questions

Lisa,

Regarding the overlying water for the Hyalella assays, for the first round of testing we used a 50:50 mix of natural surface water and a moderately hard reconstituted water. We are planning to use the same recipe for this round of testing. If the EPA wants to use surface water from the same source as ESI we can make arrangements to provide water, however it would be up to the EPA's lab to make the arrangements from picking up the water at our facility. We'd need to have advance notice to insure that we had sufficient water on hand at the time.

For the organism source we will be using the same provider as in the initial round of testing, Aquatic Research Organisms.

Regards,
Ken

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On 10/15/2012 1:05 PM, Lisa Saban wrote:

Hi Ken, we are still on schedule to start sediment sampling the week of October 29th for the two toxicity tests we are doing. We wanted to get the POs in place and start the conversation about the specifics. As part of this effort, EPA will be doing split toxicity tests, like they did before. Can you answer the following questions they asked. Can you get back to me today or tomorrow? Thanks, Lisa

While in the process of drafting up the SOW for toxicity tests services associated with the upcoming background study and in doing so reviewing CPG tox test SOPs. CPG's SOP specifies that overlying water used in the *C. dilutus* test will consist of natural surface water; whereas overlying water in the *H. azteca* test will consist of moderately hard reconstituted laboratory water (prepared according to EPA methods) mixed with natural surface water on a 50/50 basis.

Either is acceptable; however, we need to verify if this will still be the case for the upcoming sediment tox tests. If it is, the laboratory that will be running the split samples should also be using water from the same source to ensure consistency between our samples and CPGs. If CPG decides to just follow the "recipe" then we're OK as our lab can prepare the water following the same method.

We're also going to assume for the SOW that our lab will have to obtain organisms from the same batch/culture facility as CPG.

We're not sure who at Windward we can contact in regards to this. If possible could you have Rob supply us with a contact to coordinate the toxicity test.

In summary we just need to verify from EPA and/or CPG the following:

EPA splits will be run using organisms from the same culture facility as CPG?

Verification from CPG as to the type of overlying water used for each test.

If natural water is used in CPG's tests, will it be acceptable for our lab to use lab water (which is what they typically do) or will they need to make the appropriate arrangements?

We'll need to know how these details as soon as possible so we can set up this SOW and move forward with procurement.

Please advise

Lisa Saban, Partner

Windward Environmental

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